

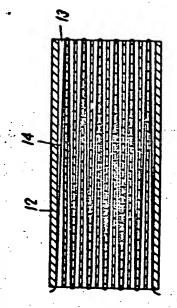
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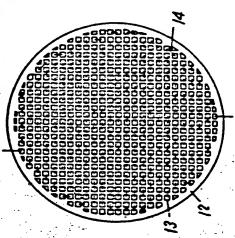
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(72) KENJI TABATA(1) (71) MATSUSHITA DENKI SANGYO K.K. (51) Int. Cl³. B01J35/04,B01J19/24,C01B3/38

To uniformly heat a catalyst in reduced energy within a short time, in reforming hydrocarbon by using a catalyst, by heating a catalyst formed from a porous inorg. heat resistant material by heaters provided in the orifices of said PURPOSE:

inorg. gas based on hydrogen and carbon dioxide by a reforming catalyst. In this CONSTITUTION: Hydrocarbon is mixed with water or air to be reformed to an case, as a catalyst to be used, one obtained by supporting a metal such as Ni, Co, Fe or a platinum group metal by a catalyst carrier 12 formed by molding an inorg, heat resistant material into a cylindrical form comprising a multilayered thin wall having a grid like cross area is used. Wire like electric heaters 14 are inserted into plural orifices of this catalyst. In generating hydrocarbon reforming reaction, because a current is supplied to said heaters to directly heat the catalyst, said catalyst is uniformly heated to a reforming reaction initiating temp, without irregularity in reduced electric power within a short time





EGENDE zu den Bibliographiedaten

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